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PUB-NO: JP355102531A
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TITLE: PREPARATION OF CIS-3-HEXENOL

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To prepare cis-3-hexenol useful as a raw material of perfumes and flavors, by reducing 2-methyl-5,6-dihydropyran which can be easily prepared from inexpensive 1,3-pentadiene and paraformaldehyde, with an alkali metal in an amine.

CONSTITUTION: Cis-3-hexenol is prepared by reducing 2-methyl-5,6-dehydropyran with an alkali metal in an amine. The amine is, e.g. ammonia, lower alkylamines, ethylenediamine, etc., preferably ethylamine, and the alkali metal is, e.g. Li, K and na, preferably Li. 2-Methyl-5,6-dihydropyran is prepared by Diels-Alder reaction of 1,3-pentadiene with paraformaldehyde. Cis-3-hexenol has perfume like fresh green leaves.

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